

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 29, 2001, 08:52:45 ; Search time 10554.9 Seconds

(without alignments)
10137.587 Million cell updates/sec

Title: US-09-526-329-40

Sequence: 6486
1 tctctctctctctctctctc.....gtctcatcagcagcagac 6486

Scoring table: IDENTITY_NUC
Gapop 10.0 ; Gapext 1.0

Searched: 1472140 segs, 8248589755 residues

Total number of hits satisfying chosen parameters: 2944280

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Listing first 45 summaries

```

Genemb1:
1: gb_da:*
2: gb_hgt:*
3: gb_in:*
4: gb_ov:*
5: gb_ov:*
6: gb_ov:*
7: gb_ov:*
8: gb_ov:*
9: gb_ov:*
10: gb_ov:*
11: gb_ov:*
12: gb_ov:*
13: gb_ov:*
14: gb_ov:*
15: gb_ov:*
16: gb_ov:*
17: gb_ov:*
18: gb_ov:*
19: gb_ov:*
20: gb_ov:*
21: gb_ov:*
22: gb_ov:*
23: gb_ov:*
24: gb_ov:*
25: gb_ov:*
26: gb_ov:*
27: gb_ov:*
28: gb_ov:*
29: gb_ov:*
30: gb_ov:*
31: gb_ov:*
32: gb_ov:*
33: gb_ov:*
34: gb_ov:*
35: gb_ov:*
36: gb_ov:*

```

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	6485	100.0	6486	AF110465	AF110465 Homo sapi
2	6443.8	99.3	166308	CNS01DX2	AL139020 Human chr
3	6389.4	98.5	210791	CNS01DV7	AL133467 Human chr
4	1633.4	25.2	1717	AB02527263	AB025274 Homo sapi
5	1338.4	20.6	1722	AB018563	AB018563 Homo sapi
6	701.2	10.8	1152	AF110466	AF110466 Homo sapi
7	701.2	10.8	3144	AB035343	AB035343 Homo sapi
8	701.2	10.8	3240	AB035342	AB035342 Homo sapi
9	701.2	10.8	3532	AB035340	AB035340 Homo sapi
10	701.2	10.8	3599	AB035341	AB035341 Homo sapi
11	649.8	10.8	1177	AB137027	AB137027 Homo sapi
12	649.8	9.9	753	AB02527262	AB025272 Homo sapi
13	570.4	8.8	627	AB02527261	AB025272 Homo sapi
14	506	7.8	110879	AC016603	AC016603 Homo sapi
15	506	7.8	114438	AC010356	AC010356 Homo sapi
16	506	7.8	204843	AC010359	AC010359 Homo sapi
17	497.6	7.7	1248	AF110467	AF110467 Homo sapi
18	493.8	7.6	137808	AC008889	AC008889 Homo sapi
19	490	7.6	155145	AL360013	AL360013 Homo sapi
20	478.6	7.4	174095	AL356788	AL356788 Homo sapi
21	474.8	7.3	172757	AL591848	AL591848 Homo sapi
22	472	7.3	173185	AC009127	AC009127 Homo sapi
23	467.4	7.2	186497	AC011476	AC011476 Homo sapi
24	467.2	7.2	192876	AP003531	AP003531 Homo sapi
25	466.4	7.2	145442	AC004859	AC004859 Homo sapi
26	466	7.2	120766	AC004150	AC004150 Homo sapi
27	463	7.1	224400	AC008758	AC008758 Homo sapi
28	462.6	7.1	100732	AL133347	AL133347 Homo sapi
29	462.2	7.1	150036	AP000557	AP000557 Homo sapi
30	462	7.1	169997	AP000557	AP000557 Homo sapi
31	460.8	7.1	206836	AC008440	AC008440 Homo sapi
32	459	7.1	171523	AC011501	AC011501 Homo sapi
33	457.2	7.0	211544	AC021616	AC021616 Homo sapi
34	456	7.0	145631	AC090515	AC090515 Homo sapi
35	454.8	7.0	169237	AC090114	AC090114 Homo sapi
36	454.8	7.0	176051	AC023490	AC023490 Homo sapi
37	454.6	7.0	212656	AC007957	AC007957 Homo sapi
38	454.4	7.0	149618	AP000556	AP000556 Homo sapi
39	454.4	7.0	157086	AP000556	AP000556 Homo sapi
40	450.2	6.9	179260	AC084291	AC084291 Homo sapi
41	448.4	6.9	212656	AC007957	AC007957 Homo sapi
42	446.6	6.9	199287	AC023157	AC023157 Homo sapi
43	444.6	6.9	157756	AC007003	AC007003 Homo sapi
44	444	6.8	97078	AC005841	AC005841 Homo sapi
45	443.6	6.8	172800	AL356597	AL356597 Homo sapi

ALIGNMENTS

```

RESULT 1
AF110465 6486 bp DNA 18-MAR-1999
LOCUS Homo sapiens T cell leukemia/lymphoma 1B (TCL1B) gene, complete
DEFINITION
ACCESSION AF110465
VERSION AF110465.1 GI:4324702
KEYWORDS
SOURCE human
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 6486)
AUTHORS Pekarsky,Y., Hallas,C., Isobe,M., Russo,G. and Croce,C.M.
TITLE Abnormalities at 14q32.1 in T cell malignancies involve two
oncogenes
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 96 (6), 2949-2951 (1999)
MEDLINE 99178995
REFERENCE 2 (bases 1 to 6486)
AUTHORS Pekarsky,Y., Hallas,C. and Croce,C.M.

```


Qy	1741	gccttggagatgacttggttgatgtgttgcacatgaaacctcaacctcccaagtcag-	1800
Db	1741	gcggcttgagatgacttggttgatgtgttgcacatgaaacctcaacctcccaagtcag-	1800
Qy	1801	tgattctcattgctccatgacctcccgagtagcttgatatacaggcgatcttttttlaagtt	1860
Db	1801	tgattctcattgctccatgacctcccgagtagcttgatatacaggcgatcttttttlaagtt	1860
Qy	1861	aatttttttgttattcttcaggagagacaaagtttaatactgttggccagcttgattt	1920
Db	1861	aatttttttgttattcttcaggagagacaaagtttaatactgttggccagcttgattt	1920
Qy	1921	gaactccatgacctcaagtgatctgcgcacacttggccctcccaagatgctcggatataagtt	1980
Db	1921	gaactccatgacctcaagtgatctgcgcacacttggccctcccaagatgctcggatataagtt	1980
Qy	1981	gacctccctgcgccagccagttcacttgacactttaacaataacatacatttccataaa	2040
Db	1981	gacctccctgcgccagccagttcacttgacactttaacaataacatacatttccataaa	2040
Qy	2041	aagttcaaatagatttatttcaaaaaatgttcttgtagaagaactatgaaaagctttctgtac	2100
Db	2041	aagttcaaatagatttatttcaaaaaatgttcttgtagaagaactatgaaaagctttctgtac	2100
Qy	2101	atcaccaataataagatgcaaaaattctgtggagcaaaatttttaagttttcaaaaagctt	2160
Db	2101	atcaccaataataagatgcaaaaattctgtggagcaaaatttttaagttttcaaaaagctt	2160
Qy	2161	gaaaaagtgctataatggaagggacactgtataaatgtgtgcacactatagaaacagagatag	2220
Db	2161	gaaaaagtgctataatggaagggacactgtataaatgtgtgcacactatagaaacagagatag	2220
Qy	2221	gatttcccaaaaaagaatactcgcgcaatactcagaatctgcacactctgtatataaccga	2280
Db	2221	gatttcccaaaaaagaatactcgcgcaatactcagaatctgcacactctgtatataaccga	2280
Qy	2281	caagagacttgaagccggagacttaagatgtattatcatcatcatcttcaagagatata	2340
Db	2281	caagagacttgaagccggagacttaagatgtattatcatcatcatcttcaagagatata	2340
Qy	2341	ttctactatgacaaaagggtgtgtgcagccccgtgtccatttgatagatgaaatgggtaaac	2400
Db	2341	ttctactatgacaaaagggtgtgtgcagccccgtgtccatttgatagatgaaatgggtaaac	2400
Qy	2401	aacccaacacataagaatttcaacctaaagtacagacaacaggaatgaactctggagcca	2460
Db	2401	aacccaacacataagaatttcaacctaaagtacagacaacaggaatgaactctggagcca	2460
Qy	2461	ttatactcaaatgtataataatgcagatcaacggaagagacattctctgtatgtgtgactcag	2520
Db	2461	ttatactcaaatgtataataatgcagatcaacggaagagacattctctgtatgtgtgactcag	2520
Qy	2521	agttgtctcatctcataaaggatgaaatgtagctgcgcacaaaggctctggagggagtcgaagatg	2580
Db	2521	agttgtctcatctcataaaggatgaaatgtagctgcgcacaaaggctctggagggagtcgaagatg	2580
Qy	2581	gaagttataatgttgtaagaagtgaaagatcctaagttttgggaagaataaaaagtcttgagag	2640
Db	2581	gaagttataatgttgtaagaagtgaaagatcctaagttttgggaagaataaaaagtcttgagag	2640
Qy	2641	tgatagatgccaagctgtccaatgtccaatgtccacttaatgtccacaacatgtactctta	2700
Db	2641	tgatagatgccaagctgtccaatgtccaatgtccacttaatgtccacaacatgtactctta	2700
Qy	2701	aaacacgtctgcacgggacagctgtgcactacgcctgaaatcccacgaactcttgaggagacgaagc	2760
Db	2701	aaacacgtctgcacgggacagctgtgcactacgcctgaaatcccacgaactcttgaggagacgaagc	2760
Qy	2761	ggggcgagatcacaagatcagagagatcagaagcactctgtgtcaaaacaagtgaaaccccgctc	2820
Db	2761	ggggcgagatcacaagatcagagagatcagaagcactctgtgtcaaaacaagtgaaaccccgctc	2820
Qy	2821	ctactaaataatacaagaatttagccgggtgtcgggttgccgggctcgtatgctccagatc	2880
Db	2821	ctactaaataatacaagaatttagccgggtgtcgggttgccgggctcgtatgctccagatc	2880

Db	2821	CTACTAAAATATCAAAAAGAAATATGACGGGTGGGTGGCGGGGCTGTGACGTCCACTATAC	2880
Qy	2881	TCGGGGGCTCGAGGCGAGGAGAAATGCTTGAACCTCGGGAGGCGGAGCTTGCATGAGCTGA	2940
Db	2881	TCGGGGGGCTGAGGCGAGGAGAAATGCTTGAACCTCGGGAGGCGGAGCTTGCATGAGCTGA	2940
Qy	2941	gattccagccacitgaccccgagccttgggcgacagagcaagatccgctctcaacaacaaca	3000
Db	2941	GATCCACCACTGCACCTCCAGCTGGCGACAGAGCAAGACCTCCCTCCAAACAAAACAA	3000
Qy	3001	agcacaacaacaaaacagttaaagcttttttttttttttttttttttttttttttttttttttt	3060
Db	3001	AGCAAAACAAAACAAAGCTAAGATTTTTTTTTTTTTTTTTTTTAAATGATGAGGAAATGAG	3060
Qy	3061	atgagatcttcaataactattgcgcaagggtgggttaaaggagaccttaagtaagtaatttt	3120
Db	3121	TTCCCTCTTTCTTTAAAAAATAGATGATGCTTTAGGGTGGGAATTAAGCTCTCTGGGG	3180
Qy	3181	acacatctaatgcagaagatcaggccaccttttctgtataaggcttcgtaggttaaacatttt	3240
Db	3181	ACCATCTATATGCAAAAGATCAGCCACTTTTCTGTAAAGATCTGATGGTAACACTTTT	3240
Qy	3241	ccacttgagagctatgctctctgcagctactcagctctgtatctgaatgcgaagaagcagct	3300
Db	3241	CCACTTGAAGCTATGCTCTTGGCATGCTACTGCTGCTGATTTGGAGTGAAGCAAGACGT	3300
Qy	3301	aaaggcaagctlaaggagatgacgggaaggagccttaattatctcaataaagcttatt	3360
Db	3301	AAAGGCACGTTAAGAGATGACGGAAGGACCTTAATGTTATTTCAATTAACCTTTAT	3360
Qy	3361	tgcgaagaagatgacgaagcgaagatagcttgcttgatctctgatactgaagtcagaataca	3420
Db	3361	TGCAGAAAGCGATGCGACACCGACTTATGTTCTGTATCTGTATCTACAGTCGAATGACA	3420
Qy	3421	cagagaaggagagatcttcgctgatatattaaataactctcccttgcaaaagcaatccat	3480
Db	3421	CAGAAAGGAGAAATTTTGGCCGTAATATTTAAATACCTCTCTTGGCAAAAGCAAGTCAT	3480
Qy	3481	aaaaaagtgaggacaacaacactgagaaaaattctacaacaatgctgcagtatagatgac	3540
Db	3481	AAAAAAGTGAGGACAAACAACCTGAGAAAAATTTATCAACAATGCTGATTAATGATGAGAC	3540
Qy	3541	actaatcttcaattatgaagaagacctttatgcacaagaagaagaacaaactcttagaana	3600
Db	3541	ACTAATATCTTTAATTCAAAAGACATTTTATCCAAAAGAACAAATACTTATGAGAAAT	3600
Qy	3601	tgtagcaaaagacttccactttgttgcataaagcttaggttttacttcttcccta	3660
Db	3601	TGTGCAAAAAGACTTTCTATTGTGTGAATGATGAGACCTTTGGTTTTACTTTTCCATA	3660
Qy	3661	tcaatcttcaacttccagatccagcccaatttggctattttatattatacgaattatct	3720
Db	3661	TCATCTTTCTTAAGTTCCAGTACGACGCTAATTTGGTTATTTTATTTAATTAATGATTTAT	3720
Qy	3721	ttgagacagagcttgctctgctctcccgagctcgagcgacgagctgaagataagatttc	3780
Db	3721	TTGAGACAGAGCTTGCTCTGCTGTCCGAGGCTGGAGTGACGTGACTCGACATAGCTTCA	3780
Qy	3781	aaacagctctactctcccgagcttcaagaatctctcactctagcttcccgagtagcttggg	3840
Db	3781	AACACGCTCTACCTCCGAGGTCCAGAAATTTCTGCACCTTAAGCTTCCGCGAGAGCTGGG	3840
Qy	3841	actgtgagacacatgcacacaatggcgagccttaattttatttttttgtagagcagagcttc	3900
Db	3841	ACTGTAGGACACATGCCACATGGCGACAGCTAATTTTATTTTATTTTGTGAAGACAGATGTC	3900
Qy	3901	attatgctgcgagagcttgctctgaaactgtagcttgagcttcacagctctccgcttgagct	3960

Db 3901 ATTATGTTGCCGAGGCTGGTCTTGAATCTGGCTTCNAGCAGTCTTCCTGGCCCT 3960
 QY 3961 cccaagtgttgggaltacagcaagcaactgctcccaacctatttcgatalatlac 4020
 Db 3961 CCCAAAGGTGGGATTACAGGCAATAGCCACTGCTCCAGGCTTATTTGATATTTT 4020
 QY 4021 tataagtgttgaaggctcatgatacgaactgcataattttggcgggaaatctatac 4080
 Db 4021 TTTAAGTGTGTGAAGGTCTATGATCGAAGCTGCCATATATTTTGGCGGAAATCTATCAC 4080
 QY 4081 cctcagatccaggatgcatacgatatactgtttaaagaagattaaataacag 4140
 Db 4081 CCTCAGATTCAGGAGCTCCATGATATCTTGTTTTAAACGAAATTTAAATAATTACGG 4140
 QY 4141 caatgagagatgagccccagaagaatactagctttaaccagaagtgttgaacagtt 4200
 Db 4141 CAAAGGCGAGATGAGGCCCCCAAGGAAATCTAGCTTTAACCCAGAGTGTACAGGTT 4200
 QY 4201 ggaacagtggtctaatttggggtatgcagtgggcgaggaaggtgcaggtcagaagg 4260
 Db 4201 GGAACAGTGTGCTAAATTTGGGATTCAGTGGGGGAGAGGAGGTCAGGTCAGAGGGG 4260
 QY 4261 gccagaaaggccccagcatcctagatgagccaagaatacagtgccaaggtcttgt 4320
 Db 4261 GCCAAGAGGGCCCCAGCCATCTGATGAGGCCACAAGTACCAAGTGCACAGGCTCTTGT 4320
 QY 4321 ctggaattctgaaataattacacctgaacctgagagccacgtgccaattgtgtgtgc 4380
 Db 4321 CTGGAAATCTGAAACATTTACCTGTGACCTGAGCCCACTGACCAATGCTGTGTGC 4380
 QY 4381 agcccaagtgtgcaggaagaccatacatalgatttgcgcgctcttctgtgctccatga 4440
 Db 4381 AGCCCAAGTGTGAGGAAACCTTATCCATGATTTGCGCTTTTTCGTCCTTCACTA 4440
 QY 4441 tgaaccagatcaacagtgcaattgtgcagatgagcagtgataccgggagctctctc 4500
 Db 4441 TGAACCAAGATACAGTGCATCTGTGGCAGATGAGCATGCATACCCGAGAGCTACTCTC 4500
 QY 4501 ctccggccagatgacctctccagctgcgcgctgtgtgcagctcattaccgggagaa 4560
 Db 4501 CTCGGGCAATGACCTCTCTCCAGCTGCCCGCTGTGGAGCTTACCCGGGAGGAA 4560
 QY 4561 gtaacgagcagcgattccagttctctggaatacagaacatgcccagaagtgatg 4620
 Db 4561 GTACCGAGCAGGGGATTCAGTTCTGTGGAAATAGCAACCATGCGCCAGGCAAGTGTG 4620
 QY 4621 gtgttctttagtggaagcgacaaggtgtgacctgtgcagtgtgcctctctctctg 4680
 Db 4621 GTGTTCTTAGTGTAAAGCGACAGGTGCCCTGTGTGACTGCGGTGACCTCTCTCTG 4680
 QY 4681 tgcacctgagcccccttggggttctgtctgtctctctctctctctctctca 4740
 Db 4681 TGCCCTGGGCCCTTGGGGTCTTGTGCTGTCTCTCTCTCTCTCTCTCTCTCTCTCA 4740
 QY 4741 aggaagcctggaatgt 4800
 Db 4741 AGGAGGCTGTAGT 4800
 QY 4801 agtgggtgagggaggaaggtgtgacctctctgtgtgtgtgtgtgtgtgtgtgtgt 4860
 Db 4801 AGTGGGTGAGGGAGGAGGAGGTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 4860
 QY 4861 ccaactgtacctacacctgtctgtctgtctgtctgtctgtctgtctgtctgtctgtct 4920
 Db 4861 CCACCTGTCTACCCCT 4920
 QY 4921 acttggaaagagatctcccaaggttctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 4980
 Db 4921 ACTGGAAAGAGCATCTCCAGAGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 4980
 QY 4981 tggagcagctgtgtcttaacatacagccggaaggaaggaaggaaggaaggaaggaagga 5040
 Db 4981 TGGAGCAGCTGTGTCTTAACATATTCAGCCGAGAGGAAAGTACTGAGCTGTGGAGTGTG 5040

QY 5041 tatgttgggccccctgt 5100
 Db 5041 TATGTGGGGCCCCGTGGGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5100
 QY 5101 cttttaaagaagcggt 5160
 Db 5101 CTTTCAAGAAAGCGGCGGTGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 5160
 QY 5161 agccacctgtcacctctgtttcccgagccccctgtgtgtgtgtgtgtgtgtgtgtgtgt 5220
 Db 5161 AGCCACCTGTACCTCTGT 5220
 QY 5221 cccaataagtttccataagatgaggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 5280
 Db 5221 CCCTAATTAAGTTTCTTAAGATGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5280
 QY 5281 tgagaaattgtgaggt 5340
 Db 5281 TGAGAAATTTGTAGGT 5340
 QY 5341 gggagatggaatgaattctctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 5400
 Db 5341 GGGATGGAATGACTTCTGT 5400
 QY 5401 ctgagtcacctagatttaacatgtgcaatgaggtgtgtgtgtgtgtgtgtgtgtgtgt 5460
 Db 5401 CTCGGGTCTCTGAAATTTAACATGAGCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5460
 QY 5461 ccagaaatgaaatgaaggt 5520
 Db 5461 CCAGCACTGACCATGAGAGGCGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5520
 QY 5521 gggcgt 5580
 Db 5521 GGGCGT 5580
 QY 5581 ggtgtgcgggtctcccaatgtatgaatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 5640
 Db 5581 GGTGTGCGGGCTCCCCATGATGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5640
 QY 5641 tggcgt 5700
 Db 5641 TGCGCTGT 5700
 QY 5701 cctgtctctgt 5760
 Db 5701 CCGTCTCTGT 5760
 QY 5761 ctgacaactcaattctctgt 5820
 Db 5761 CTGACACACTGTTCTCTGT 5820
 QY 5821 ctgtacttagggcagctgt 5880
 Db 5821 CTGTACTTAGGCACTGT 5880
 QY 5881 agtttccctgt 5940
 Db 5881 AGTTTCCCTGT 5940
 QY 5941 ttctaagatgcaacttcccaatcccccttcaatcaacgaaggaatgtgtgtgtgtgtgt 6000
 Db 5941 TTTCTAATGCTCACTTCCCAAAATCCCTTCAATCCACAGAGATGTGTGTGTGTGTGTGT 6000
 QY 6001 ccagacccccagtgagctgt 6060
 Db 6001 CCAGACCCCCAGTGAGCTGT 6060
 QY 6061 taagaatgtgcaattagaaggaagccaggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 6120
 Db 6061 TAAGAATGTGCAATTAGAAGGAGCCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 6120

Qy	6121	agttctctgaacatttgcgccaataataccagtcctgaagaacatctcacagg	6180
Db	6121	ATTCTGCTGACACTTTGGCCCAATAGATCCAGTGTGAGCAAGCATACCGGA	6180
Qy	6181	gcttcacatgagcccatctgcacagctgggaagatgagggatgggtttggccctgtctc	6240
Db	6181	GGCTGAGGAGCCCATCTGCACAGTGGGAGCATGAGGGATGGGTTGGCTGTGCTTC	6240
Qy	6241	tgcctattcagtccttcacgtcacaggaaaggatgctagtcgtgaaggctgacctcacagt	6300
Db	6241	TGCTTATTCAGTCTTCAGCTCACAGGAAGGATGCTAGTCCGGAAGGTGACCTCACAGT	6300
Qy	6301	actggattaataaacttattgtctgcacgtccactttgtctggaattggagccctctct	6360
Db	6301	ACTGGTTAATTAACCTTATTGTGCTCACGTCCACTTTGTGCTGGAATTGGAGCCTCTCT	6360
Qy	6361	tgaacctctcttagcatagaatgagcctctctgtacacgaatgttaagtaaatctt	6420
Db	6361	TGACCTCTTTCAGCATGGAATGGAGCGCTCTGTGTCACGAATGTTAAGGTAACTTTT	6420
Qy	6421	aatgacatctcatattttccacacctggaagaaattgtattgttccattccagag	6480
Db	6421	AATGATCCATTTCATTTTTCACACTGGGAAGAAATGTGATTGGTTCATTCAGCAG	6480
Qy	6481	caagac 6486	
Db	6481	CAGGAC 6486	

RESULT	2
CNS01DX2	
LOCUS	CNS01DX2 166308 bp DNA prt 26-APR-2001
DEFINITION	Human chromosome 14 DNA sequence BAC R-164H13 of library RCT-11 from chromosome 14 of Homo sapiens (human), complete sequence.
ACCESSION	AL139020
VERSION	AL139020.5 GI:13539193
KEYWORDS	HTG.
SOURCE	human.
ORGANISM	human sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
AUTHORS	1 (bases 1 to 166308) Hellig,R., Petit,J.L., Vico,V., Dasilva,C., Robert,C., Winker,P., Brotier,P., Catolico,L., Barbe,V., Pellelier,E., Artiguenave,F., Levy,M., Eckenberg,R., Bruis,T., deBardinis,V., Crnaud,C., Grapay,G., Saurin,W. and Weissenbach,J.
TITLE	Sequencing of the human chromosome 14
JOURNAL	Unpublished
REFERENCE	2 (bases 1 to 166308) Genoscope.
AUTHORS	Direct Submission
JOURNAL	Submitted (26-APR-2001) Genoscope - Centre National de Sequencage BP 101 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr - Web : www.genoscope.cns.fr)
COMMENT	On Apr 3, 2001 this sequence version replaced gi:12274871.

Center: Genoscope / Centre National de Sequencage
Center code: GS
Web site: <http://www.genoscope.cns.fr/>
Contact: Segref@genoscope.cns.fr

The following BAC sequence is oriented from the T7 to the SP6 end

Upstream BAC (overlapping the T7 end) : R-1070N10
Downstream BAC (overlapping the SP6 end) : R-185P18 (AC-AL133167)

----- Summary Statistics -----
Assembly program: Phrap, Version 2.0
Quality coverage: 6.03x in Q20 bases; sum-of-contigs

```
Overall quality chart :
Range      : bases
0          :
1 - 9     : 4
```

```

FEATURES
Percentage of bases with a quality value >= 40 : 99 %
Location/Qualifiers
1cc3000

```

FEATURES	Location/Qualifiers
source	1. .166308 /organism="Homo sapiens" /db_xref="taxon:9606" /chromosome="14" /clone="R-164H13" /clone_lib="PC1-11" 6803. .6993 /note="matching EXBL:R68409 RHdb:RH45107 dbSTS:STS8175 Identified using the e-PCR software (G. Schuler)" 9797. .10019 /note="matching EXBL:T96687 RHdb:RH45337 dbSTS:STS38605 Identified using the e-PCR software (G. Schuler)" 14657. .14855 /note="matching EXBL:R70888 RHdb:RH77821 dbSTS:STS54563 Identified using the e-PCR software (G. Schuler)" 16118. .16281 /note="matching EXBL:AA856757 RHdb:RH98896 dbSTS:STS68645 Identified using the e-PCR software (G. Schuler)" 46740. .46885 /note="matching EXBL:H01982 RHdb:RH44550 dbSTS:STS37619 Identified using the e-PCR software (G. Schuler)" 47277. .47485 /note="matching EXBL:X82240 RHdb:RH53532 dbSTS:STS26938 Identified using the e-PCR software (G. Schuler)"
STS	
STS	
STS	
STS	
BASE COUNT	46913 a 36249 c 37941 g 45205 t
ORIGIN	

[illegible]

|||||
Db 23141 AAGATGAGGAGGAGAACCTGGGTGACTGTGCTGGTTCAATCCCTCGCTAGAGG 23200
OY aatggccaaagggcctcccaaggagcagcagatgagctcgggcaacagagggagcgtgtgg 360
Db 23201 AATGGGCGAAGGCGCTCCAGAGGAGAGATGATCTGTGGCACAGAGGAGAGCTGTGGG 23260
OY gagagctgagcactgaacccctgcccgtgtgtggagccggtgtgggtgtcaaaagggcggtc 420
Db 23261 GAGGGCTGCGCACTAACCCCTGCGGTGTGGACCGCGGTGGGGGTCAAGAGGGGCGCTT 23320
OY ctcaaccccgacatggaaaactactctgtgtcaggtcttagagcgagcaatgtccatgcc 480
Db 23321 CTACCCGCGACTGGAAAACCTCACTTCTGTGAGGCTGTAGGAGCGCCAGCATGTCCATGCC 23380
OY cagccctggccccaagaaacaccccccgttaaagggagcccaaggaacaggtttccacgtg 540
Db 23381 CAGCCCTGGGCCCAAGAACACCCCGCTAAGGGACCAACAGGCAACAGCTTTCCACATGG 23440
OY agataatgtgtctcctgtgtgtgagcgagcctaagtagctcagggcttagtgcatt 600
Db 23441 AGATTAATGTGTGCTCGCTGTGTGAGCGAGGCTAAGGTACCTCAGGCGCTTGTGCCATT 23500
OY cccagctgcctgtgtgtggaaagggcccaaatggggcgagcctatgtagctgtgggtgtggat 660
Db 23501 CCCAGTCCCTGCTGTGGGAAGGCCCAAAATGGGGAGCTATTGAACTGTGGCTTTGGGAT 23560
OY gagtagagagcttccaggtctagaagaaggagcagagtagatataagcaaaagcattgag 720
Db 23561 GAGTAGAGAGTCTCCAGGTCTAGAAAGAGGAGCGAGAGTAGATTAACCAAAACATTTGAG 23620
OY cctggagagcaccaggtgggccaacagatgaaacagatgtgtgtgtgtgtgtgtgtgtgtgt 780
Db 23621 CCTGAGAGGCCAGAGGTGGGCCAACAGGATGAAACATGTTGGTGTCAATTTACTGATCT 23680
OY gcaaaatggaaataataactctgt 840
Db 23681 GCAAAATGAAATTAATTAATCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 23740
OY ctaacgcgtgaatggcctgt 900
Db 23741 CTCACCGCTGATGGCTGTGGGAGACATTTGATGATTAACAAATTTCTGAAATTAATTC 23800
OY aggaagcctgtgggt 960
Db 23801 AGGAGGCTTGGGT 23860
OY taatgacctagaagaacggcgt 1020
Db 23861 TAATGACTCAGGAAACGGCTGT 23920
OY gaagttaaatacagtagctgt 1080
Db 23921 GAAGTAAATACGTAGCTCTGT 23980
OY cgtgtgagatgtcgaagctccctgtatagaataatgacctgtgtgtgtgtgtgtgtgtgtgt 1140
Db 23981 CTGT 24040
OY cgtatcctctactatatttgaatacagatcttaataacacaaagcctaaagcctaaagcctaa 1200
Db 24041 CGGATCTCTACTATATTGTAATTCAGATTAATTAACACCTTAATGCTAACCTTAACCA 24100
OY tcaactcaagctgt 1260
Db 24101 TCACCTTCAAGCTGT 24160
OY aatcgtgaaggttagtcgaatcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1320
Db 24161 AATCTGAGTTAGTGTGAATTCATGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 24220
OY cttagtgtatgt 1380
|||||

Db 24221 CTTAGTGAATGT 24280
OY ggtgtgtcagcctgt 1440
Db 24281 GT 24340
OY agtgagatgtgagccatctctagccaacatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1500
Db 24341 AGGAGTCAAGACATCTTGT 24400
OY aatbagccgggt 1560
Db 24401 AATTAGCCGAGCGGT 24460
OY agatgt 1620
Db 24461 AGAATGGCTGTGAACCCGGGAGGAGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 24520
OY cagcctgt 1680
Db 24521 CAGCTGT 24580
OY aggtctgt 1740
Db 24581 AGGCTTGT 24640
OY gcggt 1800
Db 24641 GCGGT 24700
OY tgaattctcaatgt 1860
Db 24701 TGATTTCTCAATGCTGT 24760
OY aattttttttgt 1920
Db 24761 AATTTTGT 24820
OY gaactcctgaacatgt 1980
Db 24821 GAACCTGT 24880
OY gagccacccgt 2040
Db 24881 GAGCCTGT 24940
OY aagttcaaatgt 2100
Db 24941 AAGTTCAATGT 25000
OY atactactaaataagcctgt 2160
Db 25001 ATACCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 25060
OY gaaaaggt 2220
Db 25061 GAAAAGGT 25120
OY gatt 2280
Db 25121 GATTTTCTCAAAAAGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 25180
OY caagactctgaagccggaaacttaagcaatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 2340
Db 25181 CAAGACTCTGAAGCCGGAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 25240
OY tttatctagcctaaaggt 2400
Db 25241 TTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 25300
OY aacacaacccaatgaatgt 2460
Db 25301 AACACAAACATGAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 25360

QY	2461	tttactaaatgaaaatctgcagttcaaggaaggaagcatcttctgtatgaagttaccag	2520
Db	25361	TTTAACTAAATGAATATGCCAGTCAACGAAAGACAGATCTCTTGTATGAAGTACTCAG	25420
QY	2521	agtggttcattcatalaagaatggaatggtagctgcacagggctctgaaagggatcagatag	2580
Db	25421	AGTGGTCTCATTCAATAAGAGGAATAGTGTGCTGCAGGGGGCTGGAGGGAGTGAAGATAG	25480
QY	2581	gaatlaaagttagtaacaggtacgaatctccagattctggaaagataaaagttctgaa	2640
Db	25481	GAAGTTAATGTTAGTAACAGGTACGGAAGTCTCAAGTTTGGGAATATAAAGTTCTGGAGG	25540
QY	2641	tgtatgtgcgagcggttccaatgtcaatgtcaatgaagcctaagcccaactgtaactttaa	2700
Db	25541	TGGATATGTGCGACGGTTCACATGTCATATCACTTAAGGCCACCAAACTGACTTTTA	25600
QY	2701	aaacagtgtaccggtgcacggtgtgtccacgctg-aatccacgacatttggggagacga	2759
Db	25601	AAACAGTTGGCCGGGGCCGGGTGGCTCAACGCTTAATCCAGCACTTTGGGGGGCCAGAG	25660
QY	2760	cgggcgagatcaacaagtcacaggaatcggagacatctctgtcctaaacagtgtaaacccg	2819
Db	25661	CGGGCGGATCAACAAGTCAAGAGATCGAGACATCTGGCTTAACAGCGTGAACCCGCTG	25720
QY	2820	tctactaaatacaaaaagaatagcgggtgtcggtgtgcggcgctgtagtccagctta	2879
Db	25721	TCTCTAAATAAATACAAAAATTTAAGCGGGGTGGGGGGGGGCTGTGTAAGTCCACCTA	25780
QY	2880	ctcggggggctgtagggcagggaaatgtgctgtgaaccttggagggcggaggtcttgacgtg	2939
Db	25781	CTCGGGGGGCTGAGGACGAGGAATGGCTTGACCTGGAGGACGAGCTTGCGTAGACTG	25840
QY	2940	agatccagcgcaatgtaactcaagcgtgggcagacaggaacaagatcgcgtccaaacaaac	2999
Db	25841	AGATCCAGCAACTGTGACTCCAGGCTGGGCGACAGACAGACTCCGCTCTAACAACAAACA	25900
QY	3000	aagcaaaacaaaaaaacagttaaagattttttttttaaagtatcaatgtaagtag	3059
Db	25901	AAGCAAAACAAAAAAACAGTTAAAGTTTTTTTTTTTTTTTAAATGATCAAGGAAATAG	25960
QY	3060	aatgtatcttcaaatlaactaacccgggtgggaataaagggcaacttagtaaatatc	3119
Db	25961	AATGATTTCTCAATTAATCTTAACCCACGGGTGGGATTAAGGAGCTACTTAATGTAAGTAT	26020
QY	3120	tttccctcttcttctaataatagatcgaatctcttggttggaatgaagcttcctggc	3179
Db	26021	TTTTCCCTCTCTTTCTTAATAATAGATCGAATCTTAAGGTGGGAATTAAGGCTTCTTGCG	26080
QY	3180	gacacatcfaatgtcaagaatcacaacacttttctgtlaaagatctgtatgtataacatc	3239
Db	26081	GACACATCTAAAGCAAAAGATCAACCACTTTTCTGTAAAGGATCTAATGTTAAACATTT	26140
QY	3240	tcaacatt-gaagggtcatgaccttgcaagtaacacgtctgcgtatcttggaatggaagacag	3298
Db	26141	TCCACTTGGAGAGGTATAGTCTTTCGACGCTACTCGATCGTATGAGTGGCAAAACAG	26200
QY	3299	ctaaaggcaacggttaagaatgacgggaaggagccttagtttatattacaataaagcttta	3358
Db	26201	CTAAAGGCAACGTTAAAGATAGAGGAAGAGGCTTAATTTATTTTAATTAACATTAACCTTTA	26260
QY	3359	tttgtcaaaagcagaatgcaaacccagacttagtttgtgtgactctctgatacgaatcagata	3418
Db	26261	TTTTGCAAAAGCGAGATGCAACCCGACCTTAAGTTTGGATCTGTATCTACACTCAGATTA	26320
QY	3419	caacgaagaagggaattttgcggtatataattaaataactctcttggcaaaagagctgc	3478
Db	26321	CACGAGAAAGAGAAATTTTGCCGTTATTAATTAATTAATTAATCTTCTCTTGCAAAAGAGTCC	26380
QY	3479	ataaaaagaatgaggacaacaacattgagaataatctcaacaacatgctgtatgata	3538
Db	26381	ATAAAAAAATAGAGACACAAACTGAGAAAAAATTTTTCACACAACTGTCTGATTATAGA	26440

QY	3539	gcccataattcttaattcaaaagacattttatccaaaagagcaaatacttagaa	3598
Db	26441	GCCTAAATTTCTTAATTCAAAAAGACATTTATACCAAAAGAACAAATACTTGGAAA	26500
QY	3599	atttgcaaaagacttccatttgtgtgcaaaagcaagacttggtttctcttcc	3658
Db	26501	ATTGGCAAAAAGCTTCCATTTTGTGTGATACGTGGAAAGCTTGGTTTACTTTTC	26566
QY	3659	tatcacttcttaactccagtaaccagcttaatttgttatattatatagtatla	3718
Db	26561	TATCACTTTCTTACTTCCAGTACCAACCTTAATTTGTATTATTATTAATGATTTA	26622
QY	3719	tttttagaagaactctgtctgtctccagagctggagtgacgttaactgtagatgct	3778
Db	26621	TTTTAGACAGAGCTGTGTCTGTCTCCAGGCTGGAGTGCATGATGCTGACATAGCT	26688
QY	3779	acaacagctctacccctccaggttcaagaalctctcaacttagctctccagtagctg	3838
Db	26681	ACAAAGCCTCTACCTCCAGAGTCAAGAAATCTTCCACCTTACTTCCCGAGTGGTG	26744
QY	3839	ggacgttaggacatcaccacatgcccagctaatlttatattttttagagacaagtc	3898
Db	26741	GGACGTAGGCATCTCCACCATGGCCAGCTAATTTTATTTTTGTAGAGCAAGTGC	26800
QY	3899	tcattatgtgcagagctgtgtcttgaactgtgtgtcttcmagcagctctctgttgc	3958
Db	26801	TCAATTATTTGGCGAGGCTGTGCTTGTAACCTGTGGCTTCAAGAGTCTCTCTCTTGGC	26866
QY	3959	cctcccaagtgcttggaatlaaagcatlaagcaacagctgccagctctatctgtatatt	4018
Db	26861	CTCCCAAGTGTTGGGATTTAAAGGCAATAGCCACAGCTCCACGCTTATTTCTGTAATTT	26922
QY	4019	actataagtgtgtgaaggtgtacttgctcagaagcgcataatttttggcggaatctac	4078
Db	26921	ACTATAAGTGTGTGAAGGTCATGATCGAATCGCAATCTATTTTGGCGGAAAAATCTATC	26988
QY	4079	accctcagatccagagttccatgatatctgttlttaaaacgaagattlaaaattac	4138
Db	26981	ACCCTCAATCCAGAGGATCCATGATATCTTTTAAAAACAGATTTAAAAAATTTC	27044
QY	4139	ggcaatgacgaagaatibgagccccaagaagaactcgaacttlaaccacaagtgcttgacaag	4198
Db	27041	GGCAATGCGAAGAATGAGACCCCAAGAAATCTACGTTTAAACCAAGGTGTGACAG	27100
QY	4199	tttggaaaacagtgcttaatttttgggaatttcagttggcgagcggaagtgtagcttgaag	4258
Db	27101	TTTGGAAAACAGTGGCTAAATTTTGGGGAATGTCATGTGGGCGAGGCTGCAGTCCAGAG	27166
QY	4259	gggacagaaggccccaagcactcagatlgagcccaagtaaccagtgccaagctctgt	4318
Db	27161	GGGCGACGAAGGGCCCAAGCCATCTCAATGATGGACCCAAAGTACAGTGGCTCTTG	27222
QY	4319	gltctggaattcttaaaaaacttaccttcaacccttggcagcccaactgagcattgctgtgt	4378
Db	27221	GTCGTGAATTTCTGAAAACTTTTACCCTCTGACCCCTGGACGCCACTTGGCCATTTGTGT	27288
QY	4379	gaagccacagtttggcagaaggaaccatccatcgaatttgcgcgctcttttctgctccatg	4438
Db	27281	GAAGCCCAAGTTGGAGAGGAACCCATCAATGATTTGCGGCTTTTCTGTGCTTCAG	27344
QY	4439	talgaaccacagatcagtgagctatgttggcagatgycagtgatataccgcggagctactc	4498
Db	27341	TATGAAACCAACATTCACATGTACTTTGGCGAGATGAGAGTCATACCCGGGAGATAC	27400
QY	4499	tcctccggcagatagcccttctcccaacttgcgccgcgtgtgtggagctataccgcggagtg	4558
Db	27401	TCTCTGGGCGAGATGCCCTTCTCCACACTGCCGCCGCTGTGGAGCTTACCCAGAGAG	27466
QY	4559	aagtacacgacagcagatctcaagttcttctgggaataagcacaacagccagcagatgtg	4618
Db	27461	AAGTACCAAGAGAGGATTCAGATTTTCTGGGAATAAGACACATGCGCAAGCAAGTGG	27522
QY	4619	tgtgtggtctctagttgaagaagcgaacaggtggagccctctgtgactgtcgttggccctctcttc	4678

[illegible]

Dp	28601	TACAGCTCTTCCTGTTTGACACCCAGCATAGCTCTCTTGCAGGACAGAAAGCAGTAGAGCG	28660
Qy	5755	ccctgcacactcaagttcttcctcgtttcccttagtatacagttcctgtctccacatcaag	5818
Dp	28661	CCCTGACACATCATAGTTTCTCTCCCTTTCTTAGTATACAGTCTGTCTGTCCACTCAAG	28720
Qy	5819	gtctgatacttaaggagagctgagctgtatagggcttcaacttgaggccctgtctgtgtagtag	5878
Dp	28721	GCTGTATCTTAAGGAGAGCTGGCCTGGATGGGCTTCACTGGGGCCCTGTCTGTGTCAGAG	28780
Qy	5879	ccagtttccctctgctgagctgagactgtgagttctctctctctctgtgacctcaatgctga	5938
Dp	28781	CCAGTTTCCCTCTGCTGGGTGCTCAAGCTGGGGTCTTCTTCCTCTGTGGCCCTCAATGCTGA	28840
Qy	5939	tctctctatgagcaatcccaacaatccccccttataccacaagaatgtagtctccacaagagc	5998
Dp	28841	TCTTCTGATAGCCATCTCCAAATCCCTTTCAATCCACCAAGAGATGTGTCCACAGCAGGT	28900
Qy	5999	ctccagcaacccccagctgacagctcgtgatttgtaaatcaactcaacatcggcaaggcaatgtgtcgg	6058
Dp	28901	CTTCCAGACACCCCAATGAGTACTGTGATTTGGAAATCAACATCCGACAGCAGTATGTTCCGG	28960
Qy	6059	tttaaggatagtcattagaagagagccagctctgtagtvgagactvgatccctgttgagta	6118
Dp	28961	TTTAAGAGATGGCATTTAGAGGAGGCCAGTGTGGATGTGAGACTTGGATGCCCTGTGGGTA	29020
Qy	6119	tcaagttctgtcaacatttggccggaatatagataccagtgctcgagcaagcaatgataccgg	6178
Dp	29021	TCAAGTCTGCTGATCACTTTGGCCCCAAATAATATCCAGTGTGACCAAGCAAGCAATGTACACA	29080
Qy	6179	gagcctcaagtgagcccatctgcacagtgaggagacagaaggagatgagatttgcctgtgact	6238
Dp	29081	GAGCCTCAGTAGGCCAATCTGCACAGTGGGAGACATGAGAGGAGATGGGTTTGGCTGTGCT	29140
Qy	6239	tctctctatcagttctctcagctcagctcaaggaaaggatgctagtcgtyaaagtgatccctaca	6298
Dp	29141	TCTCTCTTATTCAGTCTTTCAGCTACGACGAAAGGATCTATGTCCCTATAGCTGAGCTCTACA	29200
Qy	6299	gtactgtgttaataaactattatgtctcagctgtccacttttgtgttaattgagactcttc	6358
Dp	29201	GTACTGGTAAATTAACCTATTATGTCTGACGTCTCACTTTGTGTGTGAATTTGAGACCTCTC	29260
Qy	6359	tttgacctcttctcagcatatgaaatggagagcttcctggtaaccgaatgtaagtaaacatt	6418
Dp	29261	TTTAACTCTTTCTTAGATGAGAAATGGAGAGCTTGTGAGACGAAATGTTAAATTAACATT	29320
Qy	6419	tttaatgatacatcattcatatttccaacactcgggaagaagaatctgtagtctgtccattcagc	6478
Dp	29321	TTAATGATCCATTTTCATATTTTTCACACAGTGGGAGAAATGTGATGTGTCATTTAGC	29380
Qy	6479	agcagagac 6486	
Dp	29381	AGCAGGAC 29388	

RESULT	3
CNS01Dv7	
LOCUS	
DEFINITION	CNS01Dv7 210791 bp DNA PRI 23-MAY-2001
ACCESSION	Human chromosome 14 DNA sequence BAC R-1070N10 of library RPEC1-1
VERSION	from chromosome 14 of Homo sapiens (Human), complete sequence.
KEYWORDS	AL131467.4 GI:14268349
SOURCE	HTGS_ACTIVE1FN.
ORGANISM	human.
REFERENCE	Eukaryotes
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo. 1 (bases 1 to 210791)
TITLE	Hollitt, R., Pettit, J.L., Vico, V., Dasilva, C., Robert, C., Wincker, P., Bottier, P., Cattolico, L., Barre, V., Pelleter, E., Artigianave, F., Iery, M., Eckenberg, R., Bruls, T., deerdardinis, V., Cnuad, C., Grypny, G., Saurin, W. and Weissbach, J. Sequencing of the human chromosome 14

D	b	200185	AAAGAGTTGGCCGGGTCGGTGGCTCAGCCCTGMAATCCAGACTCTTTGGGGGCCGAGG	20024
O	y	2760	CGGGCGGATCACAAGGTGATGAGATGAGAACCACTCGCTACAACCGTGTGAAACCCGTC	2819
D	b	200245	CGGGCGGATCACAAGGTGATGAGATGAGAACCACTCGCTACAACCGTGTGAAACCCGTC	200304
O	y	2820	ttctctaaatatacaaaagaatttagccgggttggtggtgtggcggtctctatgcccagcta	2879
D	b	200305	TCTACTTAAATAACAAAAAATTAATAGCCGGGGCCGGTGGCAGCGCTGTATGCCAGCTA	20036
O	y	2880	ctcgggggtcttaggcagaggaatgtgctcttgagaccttgaggggggggtctgcgtgagctg	2939
D	b	200365	CTCGGGGGGTGAGGCAAGAAATGSGCTTGAACCTGGAGAGCAGAGCTGTGATGTAGCTG	200424
O	y	2940	agatccaagccactgcatctcagcctgtggcgagacagaaagactccgtctcaaaaaca	2999
D	b	200425	AGATCCAGCCACTGTGACTCCAGCTGGGGCAGACGAGACAGCTCCGCTCTCAACAAACA	200484
O	y	3000	aagcaaaacaaaaaaacagctbaagattttttttttttaatgattcagtgbaaataag	3059
D	b	200485	AAGCAAAACAAAAAAGCTTAAGTTTTTTTTTTTTTAATGATTCAGTGGAAATAG	200544
O	y	3060	aatggattcttctaatactatagccaaggtgggataaaggacctactatgtaagattt	3119
D	b	200545	AATGGATTCTTCAAAATTAAGTTTACCCAGGGGGATTAAGGACCTACTGTAGTAAGATT	200604
O	y	3120	tttccctctcttctcttaaaatagatcgatgcttgatgggttggaattagctctctgtgc	3179
D	b	200605	TTTTCCCTCTCTTTCTTAAAAATAAGATGCATGCTCTTGGGTGGGAATTAGTCTCTCGGGC	200664
O	y	3180	gacacatactatgaaagaatcagcaacctttctctaaagatctgatatgtaaacattt	3239
D	b	200665	GACACATCTAATGCAAGATGACACCCTTTTCTGTAAAGATCTGATGTAAACATTT	200724
O	y	3240	ttcaacttgaaggtatgctcttgaaagtactcaagctcgtatgcaatgcaaaagcag	3298
D	b	200725	TTCACCTTGAAGACTAATGCTCTTGCAGCTACCTCAAGCTCTGCTATTTGACGTAAGCAG	200784
O	y	3299	ctaaaggaacaggttaaagaatgacggaagagccttagtttatttacaataaagcttta	3358
D	b	200785	CTTAAAGCAACGGTAAAGGAATGAGGAAGAGCCTTGGATTATTTTCAATTAACCTTTA	200844
O	y	3359	tttgcaaaagcagtgcaagcagacagcttagtttgctgacccctgatactcagtcagata	3418
D	b	200845	TTTGGCAAAAGCAGATGCAAGCCAGACTTAAGTTGCTGATCTCTGATCTACAGTCAAGATA	200904
O	y	3419	caacaagaaggagagatttggccgtataatttaaaactctctcttbgcaaaagcagctc	3478
D	b	200905	CACAGAGAGGAGAGATTTTGCCGTAATATTAAAACTCTCTTTGCAAAAGAGCTCC	200964
O	y	3479	ataaaaaaagtgtgagcaacaacacttggagaaaataattcaacaacatgctctgattaga	3538
D	b	200965	ATAAAAAAGTGAGGACGACAAACTGAGAAAAATTATTCACACATGCTGTGATTGATAGA	201024
O	y	3539	gacctaatactcttaatttcaaaaagacatttacaaaaaggagcaataactctagaaa	3598
D	b	201025	GCACATAATATCTTAATTCAAAAAGACATTTTATCAACAAAGAGCAATACTTAAGAA	201084
O	y	3599	atttggcaaaagacttccatttggttgtgataagctaggaagccttggatttactcttc	3658
D	b	201085	ATTGGCAAAAAGACTTTCATTTGGTGTGCTATACCTAGGAAGCTTTGGTTTACTTTTC	201144
O	y	3659	tatcatcttcttaactcagtagcacagcctaatttggattatttataattatatttta	3718
D	b	201145	TATCATCTCTTCTTAATTCACAGACCACTTAATTTGTTATTTTATATATGATTTTA	201204
O	y	3719	tttttaagacgaatctctgctctgctctccaggcttgagatgagctcgaagctagctt	3778
D	b	201205	TTTTTGACAGAGATCTTGCTGTGCTGCCAGGCTGAGATGAGTGAAGCTGACGATTACTT	201264
O	y	3779	aaaaaagcctctactctccaggttcaagaatctctcaacttagttccaggtagctg	3838

[illegible]

OY 4919 caactgaaagacatccaccagaggtctctgagtgctccctccctccagatgagtc 4978
 |||||
 Db 202404 CAACGTGAAGAGCATCTCCAGAGGTTCTGATGAGTCCCTCTCTCTGACATGATC 202463
 |||||
 OY 4979 tatggagacactgagtccttaacatcacccgagaggaagacacagacacagagtgagc 5038
 |||||
 Db 202464 TATGAGACACAGTGTCTTAATACATGACCGAGAGAGAAACAGACAGCGGAGTGGCT 202523
 |||||
 OY 5039 gtagctggggccctgtgctgctgctgctgctgctgctgctgctgctgctgctgctg 5098
 |||||
 Db 202524 GGTATGTTGGGGCCCTGTCGCTCACTGATGAGATCAAGAGAAAGAGAGACCTCTC 202583
 |||||
 OY 5099 ctctcttcgaaagacgagcgctgctccctccctccctccctccctccctccctccctc 5158
 |||||
 Db 202584 CTCCTTTCAAAAGAGAGCGGTGCTCTCTCCGCTGCTTCTGAGATTTCTTAC 202643
 |||||
 OY 5159 atagcaactgtacactctgtcccccagcccttgatgagtgatgagtgagtgagtgag 5218
 |||||
 Db 202644 ATAGCAACCTGACCTCTGTTCCAGCCCTTGATGATGATGATGATGATGATGATGATG 202703
 |||||
 OY 5219 ccccaataaagttctcctaaagacatggagatcctcagaaataagacatcaatcaatc 5278
 |||||
 Db 202704 CCCCCATTAATAGTCTTAAGACATGGAGATCTCATGATTAAGATCATATTAATCT 202763
 |||||
 OY 5279 tctgagaaattctgagtgatgagtgatgagtgatgagtgatgagtgatgagtgatgag 5338
 |||||
 Db 202764 TGTGAGATTTTGTGAGGTGATGATGATGATGATGATGATGATGATGATGATGATG 202823
 |||||
 OY 5339 ctggagatggagatgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5398
 |||||
 Db 202824 CTGGGAGAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 202883
 |||||
 OY 5399 atctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5458
 |||||
 Db 202884 ATCTGGGTCTCCATGATTAACATGAGTGAAGTGGCTGATGAGTGGCTGATGAG 202943
 |||||
 OY 5459 acccaagacatgaaccatagagagtgctccctcctcctcctcctcctcctcctcctc 5518
 |||||
 Db 202944 ACCCAAGCATACCATCAAGAGGCTCTCTCAAGAGGAGAGAGAGAGAGAGAGAGAG 203003
 |||||
 OY 5519 cagagccctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5578
 |||||
 Db 203004 CAGGCGCTGGGCTGATGAGGAGGCTGAGCATGAGCTTGGCTTGAACCCAGCAAGCTTGA 203063
 |||||
 OY 5579 tggagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5638
 |||||
 Db 203064 TGGGCTGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 203123
 |||||
 OY 5639 gctgagccctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5698
 |||||
 Db 203124 GCTGGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 203183
 |||||
 OY 5699 taactgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtg 5758
 |||||
 Db 203184 TACTGAGTCTCTCTGTTGACACACCAAGCATGAGCTCTCTCTCTCTCTCTCTCTCTCT 203243
 |||||
 OY 5759 cccctgac 5818
 |||||
 Db 203244 CCTGAC 203303
 |||||
 OY 5819 gctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5878
 |||||
 Db 203304 GTCTGAGTCT 203363
 |||||
 OY 5879 ccaggttccctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5938
 |||||
 Db 203364 CCAAGTTCCT 203423
 |||||
 OY 5939 tctctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 5998
 |||||
 Db 203424 TCTTCTGAGTCT 203483
 |||||

OY 5999 ctccagaccccccagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 6058
 |||||
 Db 203484 CTCCAGCACCCCAATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTG 203543
 |||||
 OY 6059 ttaagagatgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 6118
 |||||
 Db 203544 TTTAAGAGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAG 203603
 |||||
 OY 6119 tcaagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtg 6178
 |||||
 Db 203604 TCAATTTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATG 203663
 |||||
 OY 6179 gaagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtg 6238
 |||||
 Db 203664 GAGCTTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAG 203723
 |||||
 OY 6239 tctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 6298
 |||||
 Db 203724 TCTGCTTATTCAGTCTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTG 203783
 |||||
 OY 6299 gtagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 6358
 |||||
 Db 203784 GTACTGTTATTTAATGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATG 203843
 |||||
 OY 6359 ttgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 6418
 |||||
 Db 203844 TTTGACCTCTTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAGTCTGATGAG 203903
 |||||
 OY 6419 ttaagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 6478
 |||||
 Db 203904 TTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 203963
 |||||
 OY 6479 agcagagac 6486
 |||||
 Db 203964 AGCAGGAC 203971
 |||||

RESULT 4
 AB025272S3 1717 bp DNA PRI 14-APR-2000
 LOCUS AB025272S3
 DEFINITION Homo sapiens TML gene for TML / MTCPI-like 1, exon 3 and complete cds.
 ACCESSION AB025274
 VERSION AB025274.1 GI:5478618
 KEYWORDS TML; TML / MTCPI-like 1.
 SEGMENT 3 of 3
 SOURCE Homo sapiens DNA, clone:PCOS231.
 ORGANISM Homo sapiens
 Eukaryota; Euteleostomi; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCES
 Sugimoto, J., Hatakeyama, T., Narducci, M.G., Russo, G., and Isobe, M.
 Identification of the TML/MTCPI-like 1 (TML) gene from the region
 next to the TML locus
 Cancer Res. 59 (10), 2313-2317 (1999)
 JOURNAL 99274532
 MEDLINE 2 (bases 1 to 1717)
 REFERENCE Isobe, M., Sugimoto, J., and Hatakeyama, T.
 Direct Submission
 TITLE Submitted (24-MAR-1999) to the DDBJ/EMBL/Genbank databases.
 AUTHOR Masaharu Isobe, Toyama 930-8555, Japan
 3160, Toyama, Toyama 930-8555, Japan
 (E-mail: isobe@eng.toyama-u.ac.jp, Tel: +81-76-445-6872,
 Fax: +81-76-445-6874)
 location/Qualifiers
 FEATURES
 1. 1717
 source
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /chromosome="14"
 /clone="PCOS231"
 /map="14q32.1"
 join(AB025272..1..119..310,AB025273..1..223..393,265..318)
 /gene="TML"

CDS

John(AB025272.1:149..310,AB025273.1:223..393,265..318)

/gene="TM1"
 /codon_start=1
 /product="TM1 / MTCPI-like 1"
 /protein_id="BA082476.1"
 /db_xref="GI:5478620"
 /translation="MASEASYRLGVPGRPLNITRPGIYEDBEGRTWTVVAFNPSSR
 EMARSGSGYSPSTITVHIMQMYHRELLSSGQNPBSQLPAYWQLTPRRKTRADSS
 FMEIADHGDIDSMEDLVLTYPKRD"
 265..1623
 /number=3
 /product="TM1 / MTCPI-like 1 (TM1)"

polyA_signal 1701..1606
 BASE COUNT 340 a 466 c 473 g 438 t
 ORIGIN

Query Match 25.2%; Score 1633.4; DB 9; Length 1717;
 Best Local Similarity 99.8%; Pred. NO. 0;
 Matches 1656; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

QY 4767 tcggtgacagagtcctccatgtgagatgagcagagatgagtgagagagagtgagcct 4826
 Db 61 TCGGTGACAGAGTCCCATGTGAGATGCAGGCAGAGTGGTAGAGAGAGAGGTTCCCT 120
 QY 4827 tccctggcctaggagaatcacaatgaagtcctccatgctgctgctgctgctgctgctg 4886
 Db 121 TCCCTGGCCTAGGAGAAATCCATTAAGCTGAGATGCCACCTGCTCACCCTGCTCCTG 180
 QY 4887 tgcctgacagctgcatgagcagcgttaaggccaactgagagaagcatctccagagatc 4946
 Db 181 TGCTGCCAGCTGCATGGGAGGCGCTTAAGGCCAAGCGAAGAGCATCTCCAGAGGTTCC 240
 QY 4947 tgaatgctgctcctcctcctgacagatgacatcagcagcagctgctcctcctcctc 5006
 Db 241 TGATGGCTGCTCCCTCCCTCCGACATTCATTCGAGACACTGCTCTTAACATATCAG 300
 QY 5007 ccgagagagagaagatgacacatgagagatgagtgatgagtgagtgagtgagtgag 5066
 Db 301 CCGAGAGAGAGAAAGACAGACAGGAGAGGCTGATGTTGGGGGCCCTGCTCCTCGGT 360
 QY 5067 gtaagagatcagacgaagatgagaagaacctcctcctctcagagaagagcagcagcag 5126
 Db 361 GTAGGATCAGACAGAAAGTGAAGACACCTCTCTTTCAAGAAAGAGGCGTGGCTCC 420
 QY 5127 tccctcctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctg 5186
 Db 421 TCCCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
 QY 5187 ccccttgagatgagtaglacacagtgagtgagccccaataaagtcctcctaagcagtg 5246
 Db 481 CCCCCTGGATGTGATGTACACAGTGGGTGGGCCCCCAATAAGTTCCTAAGCATGGG 540
 QY 5247 atctacacgaataagatcacaatattatccttgagagaatttggagagtgagtgct 5306
 Db 541 ATCTATCATGAATTAAGATCATCATTTAATCTTGTGAAGAAATTTGTGAAGTGTAC 600
 QY 5307 aatgtcccatctcagacgaagaagaagacactctggagatgagatgactcctcagag 5366
 Db 601 AATGTCCCATTTTACAGCAAGAAAGACAAAGACTGTGGAGTGGGAATGACTTCCTG 660
 QY 5367 catacagccagagaataagcagtgagatcagtagctcagagtccttaatttaacatag 5426
 Db 661 CATACAGCCAGAAATAGGGGATTAATTAATCTGATCTCCGGGTCCTTAATTTAACA 720
 QY 5427 actaagtgctgctgagacggtgagccttgagagacccagcactgaaccataagaggtc 5486
 Db 721 ACTAGGTGTGCGGTGAGCGGTGCTTGAGAGACCACTGACCTGACCATTAAGAGGCT 780
 QY 5487 ctcaagagagcagcagcttgagcagagccagcagcagcctgctccttgagagaggtc 5546
 Db 781 CTGAGATGGGACAGCACTTGGAGCAGG-CAGGCAAGGCTTGTGCTAATTTGAGAGGCT 839

QY 5547 actgagactgctccttgagacccagcagctgagatgagtgagtgagtgagtgagtgag 5606
 Db 840 ACTGAGACTTGCTTTGACCCACAGACCTTGAGATGGGATGGCGGCTCCCATATGATCAC 899
 QY 5607 tgaatgctcctcttgctcctcctgacagagcctgctgagcctcctcctcctcctgagtg 5666
 Db 900 TGACTGTCTCCCTTGGTGTCTTCCAGGCGCTGCTGGCGCTGCTGCTGCTGCTGCTG 959
 QY 5667 cctcctcagagccctcagtagagatcctcagtagcctcctcctcctcctcctcctcctc 5726
 Db 960 CTCTCATGCCCCCTCAGTAGAGATCTTCAATGACCTGCTTGTGTTGACACCCAC 1019
 QY 5727 atagcctccttgacagagaagcagtagagagccctcagcactcagttcctcctcctc 5786
 Db 1020 ATAGCCT-CTTGACAGGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1078
 QY 5787 ctaagttacagctcctgctcctcctcctcctcctcctcctcctcctcctcctcctcct 5846
 Db 1079 CTTAGTATACAGTCT 1138
 QY 5847 gggctcctcctgagcctcctcctcctcctcctcctcctcctcctcctcctcctcct 5906
 Db 1139 GGGCTTCACTGGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1198
 QY 5907 gggctcctcctcctcctcctcctcctcctcctcctcctcctcctcctcctcctcctc 5966
 Db 1199 GGGTCTTCT 1258
 QY 5967 tcatcaccacagagatgagtgagcagcagcagcagcagcagcagcagcagcagcagc 6026
 Db 1259 TCAATCCACCAAGAGATGTGTGACAGGAGGCTCTCAGCACCCCAAGTGAAGCTG 1318
 QY 6027 tggaaactcaacacagcagcagcagcagcagcagcagcagcagcagcagcagcagc 6086
 Db 1319 TGGAAACTCACATCGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1378
 QY 6087 gctcagatgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 6146
 Db 1379 GCTCTGAGTGTGAGCTTGAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1438
 QY 6147 tagatcagatgctgagcagcagcagcagcagcagcagcagcagcagcagcagcag 6206
 Db 1439 TAGATCAGAGTGTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1498
 QY 6207 gggagcagatgagcagcagcagcagcagcagcagcagcagcagcagcagcagcag 6266
 Db 1499 GGGAGCAGGAGGAGTGGGTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1558
 QY 6267 aagagatgctgagcagcagcagcagcagcagcagcagcagcagcagcagcagcag 6326
 Db 1559 AAGGATGCTAGTCCGCTGAGAGTGAAGTCACTGCTGCTGCTGCTGCTGCTGCT 1618
 QY 6327 ctgctcactcttgctgagcagcagcagcagcagcagcagcagcagcagcagcag 6386
 Db 1619 CTGTCACATTTTGTGCTGAATTTGAAGGCTCTCTTGGACCTCTTTTCAAGCA 1678
 QY 6387 agcttcgtagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcag 64425
 Db 1679 AGCTTCTGTACCGAAATGTTAAGGTACATTTTAATGA 1717

RESULT 5
 LOCUS AB018563 1722 bp mRNA PRI 14-APR-2000
 DEFINITION Homo sapiens TM1 mRNA, complete cds.
 ACCESSION AB018563
 VERSION AB018563.1 GI:5487305
 KEYWORDS
 SOURCE
 ORGANISM Homo sapiens
 Homo sapiens adult placenta cDNA to mRNA, clone: pPL1.
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (sites)

LOCUS AF110466 1152 bp mRNA PRI 18-MAR-1999
 DEFINITION Homo sapiens T-cell leukemia/lymphoma 1B (TCL1B) mRNA, complete cds.
 ACCESSION AF110466
 VERSION AF110466.1 GI:4324704
 KEYWORDS
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 1152)
 AUTHORS Bekarsky, Y., Hallas, C., Isobe, M., Russo, G., and Croce, C.M.
 TITLE Abnormalities at 14q32.1 in T cell malignancies involve two oncogenes
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 96 (6), 2949-2951 (1999)
 MEDLINE 99178995
 REFERENCE 2 (bases 1 to 1152)
 AUTHORS Bekarsky, Y., Hallas, C., and Croce, C.M.
 TITLE Direct Submission
 JOURNAL Submitted (02-DEC-1998) KCI, Thomas Jefferson University, 233 South 10th Str. BSB 1032, Philadelphia, PA 19107, USA
 FEATURES
 source
 1. 1152
 /location/Qualifiers
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /chromosome="14"
 /map="14q32.1"
 1. 1152
 /gene="TCL1B"
 28. 414
 /gene="TCL1B"
 /codon_start=1
 /product="T-cell leukemia/lymphoma 1B"
 /protein_id="AA16897.1"
 /db_xref="GI:4324705"
 /translation="MASEASVRLGVPGRMLTORPEIYEDERTWVTVVNFPSRR
 EMARASGSRYSRITVHLMQMAVHTRELISGQMFSQLPAWOLYPRKRYRADSS
 FWEIADHGQIDSMQDLVLTQYPERKK"
 CDS
 gene
 232 a 325 c 324 g 271 t
 BASE COUNT
 ORIGIN

Query Match 10.8%; Score 701.2; DB 9; Length 1152;
 Best Local Similarity 99.6%; Pred. NO. 8.9e-159;
 Matches 703; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 5628 tgcagagccctgctgagccctgctctctgagcgtgctcctcctcagcccaagtg 5687
 424 TGGCTGGCCCTGCGCCCTGCTCTTGGCGTGGTCTCTCTATGCCCCCTCACTGA 483
 5688 ggaattcatatgaattctctgtttgacacacagcaagcctcctctcagagcaaa 5747
 484 GGAATCTTCAATGACTCTCTCTGTTTGCAACCCAGCATAGCTCTTCCAGGCAAA 543
 5748 ggcagtagggccctgacacactcaattctcgtttcccttaagtaagctcgtcct 5807
 544 GGCAGTAGGGCCCTGCACACTCAGTTCTCTCGTTTCTAGTATACAGCTGACCT 603
 5808 gtcccaactgaagctctgaactaagggagctgagtgagcttaactggagccctgtc 5867
 604 GTCCCACTGAGTCTGACTTAAGGAGAGCTGCTGATGAGCTTCACTGGGAGCCCTGTC 663
 5868 tgtgtgctgaagcagttccctctgctgagcgtgagcgtgtgtgttcttctctctgtgc 5927
 664 TGTGTCTGAGAGCAGTTTCCCTGCTGGGTGCAAGCTGTGGTCTTCTCTCTGAGCC 723
 5928 cctcagctgagctctctagatgcaactcccaatccctcacaacacagagatgtgtg 5987
 724 CCTCAGCTGAGCTCTTCAATGCACTCCCAATCCCTTCAATACCAACAGAGTGTG 783
 5988 ccagagcagcctcagacaccccaagctgagctgtgtgtgaactcaccatcagcag 6047
 784 CCAGAGCAGGCTCTCAAGACCCCAAGTGAAGCTGTGATTGGAAACTCACCATGGAGG 843
 6048 cagtgctgctttaagagatgacattagaagagcccaagctcctgagatgagctgag 6107
 844 CAGTGCTGCTTTAAGAGATGAGCATTAAGGAGACCCCACTGCTGAGTGTGGACTGGATG 903
 6108 cctgtggtgtatcagctctgctgacacttggccgaataagatcagtgctgagcaagc 6167
 904 CCTGTGGGTATCACTTCTGCTGACACTTGGCCGAATAGATCAGTGTGAGCAAGC 963
 6168 aatgacacagagcctcagtgagcccatctgacacatgggagagcagcagagagagtt 6227
 964 AATGTACACGAGGAGCTCAGTGAAGCCCATCTGCACAGTGGGAGCATGGAGGATGGCTT 1023
 6228 tggcctgtctctgtctatcagctcctcctcagcaggaagagatgagctgagcag 6287
 1024 TGGCTGTCTCTTCTGCTTATTCAGTCTTCACCTCAGCAGGAGGATGCTAGTCCGTGAG 1083
 6288 gtgacctcagatcgtgtaataacttctgctcactgtcca 6333
 1084 GTGACCTCAGACTACTGTTAATTAACTTATTCCTACTGTCA 1129
 RESULT 7
 AB035343 3144 bp mRNA PRI 12-DEC-2000
 LOCUS AB035343
 DEFINITION Homo sapiens TCL6f4 mRNA for T-cell leukemia/lymphoma 6 ORF105,
 T-cell leukemia/lymphoma 6 ORF72, complete cds, clone:pdg4.
 ACCESSION AB035343
 VERSION AB035343.1 GI:8176590
 KEYWORDS T-cell leukemia/lymphoma 6 ORF72; TCL6f4; T-cell leukemia/lymphoma 6 ORF105.
 SOURCE Homo sapiens cell_line:Daudi cDNA to mRNA, clone:pdg4.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 3144)
 AUTHORS Saitou, M., Sugimoto, J., Hatakeyama, T., Russo, G., and Isobe, M.
 TITLE Identification of the TCL6 genes within the breakpoint cluster region on chromosome 14q32 in T-cell leukemia
 JOURNAL Oncogene 19 (23), 2796-2802 (2000)
 MEDLINE 20309940
 REFERENCE 2 (bases 1 to 3144)
 AUTHORS Isobe, M., Saitou, M., and Sugimoto, J.
 TITLE Direct Submission
 JOURNAL Submitted (29-NOV-1999) to the DDBJ/EMBL/GenBank databases.
 Masaharu Isobe, Toyama University, Materials and Biosystem Engineering, Faculty of Engineering, 3190 Gofuku, Toyama 930-8555, Japan (E-mail: isobe@eng.toyama-u.ac.jp, Tel: +81-76-445-6872, Fax: +81-76-445-6874)
 FEATURES
 source
 1. 3144
 /location/Qualifiers
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /chromosome="14"
 /map="14q32.1"
 /clone="pdg4"
 /cell_line="Daudi"
 1805. 3073
 /gene="TCL6f4"
 1805. 2122
 /gene="TCL6f4"
 /codon_start=1
 /product="T-cell leukemia/lymphoma 6 ORF105"
 /protein_id="BA096383.1"
 /db_xref="GI:8176591"
 /translation="MDAKGRLEAKRKSTLHSRBDHAKDKLDRNRFASQTHSHWAKS
 SCHCRFSRPFPLSPSWSTNNSWGESAEKRTMKOKGCTLSHSPDLHPLGICQHRV
 GAR"
 2855. 3073
 /gene="TCL6f4"
 /codon_start=1
 /product="T-cell leukemia/lymphoma 6 ORF72"
 /protein_id="BA096384.1"

QY 6058 gtttaagagatggcatatagaggagcccaagtcggatgltggaacttgatgccctgaggc 6117
 Db 74146 gtttaagagagagcccgagagggaaatgggtctgagtgagacttgagccctggggc 74087
 QY 6118 atcaagttctgctgacacttggccgaaatagatccagtcgctgagcaagcaatgtacacc 6177
 Db 74086 atcagttctgctgacacttggccgaaatagatccagtcgctgagcaagcaatgtacacc 74027
 QY 6178 ggaagcctcagtgagcccaatcgcacagtgaggagcatgaggatgggttggcctgtgc 6237
 Db 74026 ggaagcctcagtgagcccaatcgcacagtgaggagcatgaggatgggttggcctgtgc 73967
 QY 6238 ttctgctatcagtcctcagctcagctcagaggaagatgctagtcgctgaagtgacctac 6297
 Db 73966 ttctgctatcagtcctcagctcagctcagaggaagatgctagtcgctgaagtgacctac 73908
 QY 6298 agtactggtaataaattatgtcactg 6329
 Db 73907 agtactggtaataaattatgtcactg 73876

Search completed: November 29, 2001, 09:18:45
 Job time: 18766 sec